

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1600cxc

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 SEP 09 CA/CAPLUS records now contain indexing from 1907 to the
present
NEWS 4 Jul 15 Data from 1960-1976 added to RDISCLOSURE
NEWS 5 Jul 21 Identification of STN records implemented
NEWS 6 Jul 21 Polymer class term count added to REGISTRY
NEWS 7 Jul 22 INPADOC: Basic index (/BI) enhanced; Simultaneous Left and
Right Truncation available
NEWS 8 AUG 05 New pricing for EUROPATFULL and PCTFULL effective
August 1, 2003
NEWS 9 AUG 13 Field Availability (/FA) field enhanced in BEILSTEIN
NEWS 10 AUG 15 PATDPAFULL: one FREE connect hour, per account, in
September 2003
NEWS 11 AUG 15 PCTGEN: one FREE connect hour, per account, in
September 2003
NEWS 12 AUG 15 RDISCLOSURE: one FREE connect hour, per account, in
September 2003
NEWS 13 AUG 15 TEMA: one FREE connect hour, per account, in
September 2003
NEWS 14 AUG 18 Data available for download as a PDF in RDISCLOSURE
NEWS 15 AUG 18 Simultaneous left and right truncation added to PASCAL
NEWS 16 AUG 18 FROSTI and KOSMET enhanced with Simultaneous Left and Right
Truncation
NEWS 17 AUG 18 Simultaneous left and right truncation added to ANABSTR
NEWS 18 SEP 22 DIPPR file reloaded

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

All use of STN is subject to the provisions of the STN Customer
agreement. Please note that this agreement limits use to scientific
research. Use for software development or design or implementation
of commercial gateways or other similar uses is prohibited and may
result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 14:24:56 ON 23 SEP 2003

=> file medline, agricola, caba, caplus, biosis, biotechno, uspatfull		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'MEDLINE' ENTERED AT 14:25:01 ON 23 SEP 2003

FILE 'AGRICOLA' ENTERED AT 14:25:01 ON 23 SEP 2003

FILE 'CABA' ENTERED AT 14:25:01 ON 23 SEP 2003

COPYRIGHT (C) 2003 CAB INTERNATIONAL (CABI)

FILE 'CAPLUS' ENTERED AT 14:25:01 ON 23 SEP 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'BIOSIS' ENTERED AT 14:25:01 ON 23 SEP 2003

COPYRIGHT (C) 2003 BIOLOGICAL ABSTRACTS INC. (R)

FILE 'BIOTECHNO' ENTERED AT 14:25:01 ON 23 SEP 2003

COPYRIGHT (C) 2003 Elsevier Science B.V., Amsterdam. All rights reserved.

FILE 'USPATFULL' ENTERED AT 14:25:01 ON 23 SEP 2003

CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

=> s (tumer, n? or tumer n?)/au

L1 619 (TUMER, N? OR TUMER N?)/AU

=> s (leustek, t? or leustek t?)/au

L2 270 (LEUSTEK, T? OR LEUSTEK T?)/AU

=> s l1 and l2

L3 3 L1 AND L2

=> duplicate remove l3

DUPLICATE PREFERENCE IS 'MEDLINE, CAPLUS'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L3

L4 2 DUPLICATE REMOVE L3 (1 DUPLICATE REMOVED)

=> d l4 1-2 ti

L4 ANSWER 1 OF 2 MEDLINE on STN DUPLICATE 1

TI Enhancement of the primary flavor compound methional in potato by increasing the level of soluble methionine.

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN

TI Transgenic plants having improved flavor properties by increasing free methionone levels

=> s l1 or l2

L5 886 L1 OR L2

=> s l5 not l3

L6 883 L5 NOT L3

=> s cystathionine(w) gamma(w) synthase

L7 522 CYSTATHIONINE(W) GAMMA(W) SYNTHASE

=> s l4 and l7

L8 2 L4 AND L7

=> d l8 1-2 bib

L8 ANSWER 1 OF 2 MEDLINE on STN
 AN 2003413532 IN-PROCESS
 DN 22833599 PubMed ID: 12952421
 TI Enhancement of the primary flavor compound methional in potato by increasing the level of soluble methionine.
 AU Di Rong; Kim Jungsup; Martin Melinda N; **Leustek Tom**; Jhoo Jinwoo; Ho Chi-Tang; **Tumer Nilgun E**
 CS Biotechnology Center for the Agriculture and the Environment, Department of Plant Biology and Pathology, and Department of Food Science, Rutgers University, Cook College, 59 Dudley Road, New Brunswick, New Jersey 08901-8520.
 SO JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, (2003 Sep 10) 51 (19) 5695-702.
 Journal code: 0374755. ISSN: 0021-8561.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS IN-PROCESS; NONINDEXED; Priority Journals
 ED Entered STN: 20030904
 Last Updated on STN: 20030904

L8 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 2000:666857 CAPLUS
 DN 133:235372
 TI Transgenic plants having improved flavor properties by increasing free methionone levels
 IN **Tumer, Nilgun E.; Leustek, Thomas**
 PA Rutgers, the State University of New Jersey, USA
 SO PCT Int. Appl., 30 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000055303	A2	20000921	WO 2000-US7330	20000320
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
PRAI US 1999-124961P	P	19990318		
US 1999-125654P	P	19990322		

=> d his

(FILE 'HOME' ENTERED AT 14:24:56 ON 23 SEP 2003)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO, USPATFULL'
 ENTERED AT 14:25:01 ON 23 SEP 2003

L1 619 S (TUMER, N? OR TUMER N?)/AU
 L2 270 S (LEUSTEK, T? OR LEUSTEK T?)/AU
 L3 3 S L1 AND L2
 L4 2 DUPLICATE REMOVE L3 (1 DUPLICATE REMOVED)
 L5 886 S L1 OR L2
 L6 883 S L5 NOT L3
 L7 522 S CYSTATHIONINE (W) GAMMA (W) SYNTHASE
 L8 2 S L4 AND L7

=> s l6 and l7

L9 34 L6 AND L7

=> duplicate remove l9

DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO, USPATFULL'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L9

L10 12 DUPLICATE REMOVE L9 (22 DUPLICATES REMOVED)

=> d l10 1-10 ti

L10 ANSWER 1 OF 12 USPATFULL on STN

TI Methods for modulating the levels of organic sulfur compounds in plants by transforming with (P)APS reductase DNA

L10 ANSWER 2 OF 12 MEDLINE on STN DUPLICATE 1

TI Constitutive overexpression of **cystathionine gamma-synthase** in Arabidopsis leads to accumulation of soluble methionine and S-methylmethionine.

L10 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN

TI Modulating the levels of organic sulfur compounds in plants by transformation with DNA constructs encoding enzymes involved in sulfur metabolism

L10 ANSWER 4 OF 12 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2003) on STN DUPLICATE 2

TI The **cystathionine-gamma-synthase** gene involved in methionine biosynthesis is highly expressed and auxin-repressed during wild strawberry (*Fragaria vesca* L.) fruit ripening.

L10 ANSWER 5 OF 12 CABA COPYRIGHT 2003 CABI on STN DUPLICATE 3

TI Repression of **cystathionine gamma-synthase** in Arabidopsis thaliana produces partial methionine auxotrophy and developmental abnormalities.

L10 ANSWER 6 OF 12 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN

TI Isolation and characterization of **cystathionine-gamma-synthase** in potato.

L10 ANSWER 7 OF 12 MEDLINE on STN DUPLICATE 4

TI Evidence for autoregulation of **cystathionine gamma-synthase** mRNA stability in Arabidopsis.

L10 ANSWER 8 OF 12 CABA COPYRIGHT 2003 CABI on STN

TI Plant gene register PGR 99-087. Nucleotide sequence polymorphisms in the **cystathionine gamma-synthase** gene of Arabidopsis (accession nos. AF039206 and AB010888).

L10 ANSWER 9 OF 12 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN

TI Repression of **cystathionine gamma-synthase** and S-adenosyl-L-methionine synthetase produces similar developmental abnormalities in Arabidopsis thaliana.

L10 ANSWER 10 OF 12 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN

TI Analysis of mto1 mutants that overaccumulate soluble methionine in Arabidopsis thaliana.

=> d l10 11-12 ti

L10 ANSWER 11 OF 12 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN

TI Cloning and expression analysis of **cystathionine gamma-synthase** from *Arabidopsis thaliana*.

L10 ANSWER 12 OF 12 MEDLINE on STN DUPLICATE 5

TI Cloning and analysis of the gene for **cystathionine gamma-synthase** from *Arabidopsis thaliana*.

=> d 110 1-11 bib

L10 ANSWER 1 OF 12 USPATFULL on STN

AN 2003:155762 USPATFULL

TI Methods for modulating the levels of organic sulfur compounds in plants by transforming with (P)APS reductase DNA

IN **Leustek, Thomas**, Union, NJ, United States

PA Pioneer Hi-Bred International, Inc., Des Moines, IA, United States (U.S. corporation)

Rutgers University, New Brunswick, NJ, United States (U.S. corporation)

PI US 6576819 B1 20030610

AI US 1999-252319 19990218 (9)

DT Utility

FS GRANTED

EXNAM Primary Examiner: Nelson, Amy J.; Assistant Examiner: Kallis, Russell

LREP Alston & Bird LLP

CLMN Number of Claims: 22

ECL Exemplary Claim: 1

DRWN 1 Drawing Figure(s); 1 Drawing Page(s)

LN.CNT 722

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 2 OF 12 MEDLINE on STN DUPLICATE 1

AN 2002063077 MEDLINE

DN 21648946 PubMed ID: 11788756

TI Constitutive overexpression of **cystathionine gamma-synthase** in *Arabidopsis* leads to accumulation of soluble methionine and S-methylmethionine.

AU Kim Jungsup; Lee Minsang; Chalam Radhika; Martin Melinda Neal;

Leustek Thomas; Boerjan Wout

CS Biotechnology Center for Agriculture and the Environment, Plant Science Department, Rutgers University, New Brunswick, New Jersey 08901-8520, USA.

SO PLANT PHYSIOLOGY, (2002 Jan) 128 (1) 95-107.

Journal code: 0401224. ISSN: 0032-0889.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 200205

ED Entered STN: 20020125

Last Updated on STN: 20020528

Entered Medline: 20020523

L10 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN

AN 2000:592849 CAPLUS

DN 133:173028

TI Modulating the levels of organic sulfur compounds in plants by transformation with DNA constructs encoding enzymes involved in sulfur metabolism

IN **Leustek, Thomas**; Tarczynski, Mitchell C.

PA Rutgers University, USA; Pioneer Hi-Bred International, Inc.

SO PCT Int. Appl., 26 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.

KIND DATE

APPLICATION NO. DATE

PI WO 2000049165 A1 20000824 WO 2000-US4381 20000218
 W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR,
 CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE,
 GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,
 LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT,
 RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,
 US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, DE,
 DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
 CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 US 6576819 B1 20030610 US 1999-252319 19990218
 EP 1153135 A1 20011114 EP 2000-915814 20000218
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO
 PRAI US 1999-252319 A 19990218
 WO 2000-US4381 W 20000218
 RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L10 ANSWER 4 OF 12 AGRICOLA Compiled and distributed by the National
 Agricultural Library of the Department of Agriculture of the United States
 of America. It contains copyrighted materials. All rights reserved.
 (2003) on STN DUPLICATE 2
 AN 2001:9271 AGRICOLA
 DN IND22079629
 TI The **cystathionine-gamma-synthase** gene
 involved in methionine biosynthesis is highly expressed and
 auxin-repressed during wild strawberry (*Fragaria vesca* L.) fruit ripening.
 AU Marty, I.; Douat, C.; Tichit, L.; Jungsup, K.; **Leustek, T.**;
 Albagnac, G.
 AV DNAL (442.8 Z8)
 SO Theoretical and applied genetics, May 2000. Vol. 100, No. 7. p. 1129-1136
 Publisher: Berlin; Springer-Verlag
 CODEN: THAGA6; ISSN: 0040-5752
 NTE Includes references
 CY West Berlin
 DT Article
 FS Non-U.S. Imprint other than FAO
 LA English
- L10 ANSWER 5 OF 12 CABA COPYRIGHT 2003 CABI on STN DUPLICATE 3
 AN 2000:45567 CABA
 DN 20001607786
 TI Repression of **cystathionine gamma -synthase**
 in *Arabidopsis thaliana* produces partial methionine auxotrophy and
 developmental abnormalities
 AU Kim JungSup; **Leustek, T.**; Kim, J. S.
 CS Biotechnology Center for Agriculture and the Environment, Rutgers
 University, Cook College, 59 Dudley Road, New Brunswick, NJ 08901-8520,
 USA.
 SO Plant Science (Limerick), (2000) Vol. 151, No. 1, pp. 9-18. 33 ref.
 ISSN: 0168-9452
 DT Journal
 LA English
- L10 ANSWER 6 OF 12 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1999:299204 BIOSIS
 DN PREV199900299204
 TI Isolation and characterization of **cystathionine-gamma-**
synthase in potato.
 AU Campbell, M. A. (1); Patel, J. A. (1); Kim, J.; **Leustek, T.**
 CS (1) School of Science, Pennsylvania State University-Erie, Behrend
 College, Erie, PA, 16563 USA
 SO FASEB Journal, (April 23, 1999) Vol. 13, No. 7, pp. A1397.

Meeting Info.: Annual Meeting of the American Societies for Experimental Biology on Biochemistry and Molecular Biology 99 San Francisco, California, USA May 16-20, 1999 American Societies for Experimental Biology

. ISSN: 0892-6638.

DT Conference

LA English

L10 ANSWER 7 OF 12 MEDLINE on STN DUPLICATE 4

AN 2000027628 MEDLINE

DN 20027628 PubMed ID: 10558994

TI Evidence for autoregulation of **cystathionine gamma-synthase** mRNA stability in Arabidopsis.

AU Chiba Y; Ishikawa M; Kijima F; Tyson R H; Kim J; Yamamoto A; Nambara E; **Leustek T**; Wallsgrove R M; Naito S

CS Division of Applied Bioscience, Graduate School of Agriculture, Hokkaido University, Sapporo 060-8589, Japan.

SO SCIENCE, (1999 Nov 12) 286 (5443) 1371-4.

Journal code: 0404511. ISSN: 0036-8075.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 199911

ED Entered STN: 20000113

Last Updated on STN: 20000113

Entered Medline: 19991130

L10 ANSWER 8 OF 12 CABA COPYRIGHT 2003 CABI on STN

AN 1999:123612 CABA

DN 991609383

TI Plant gene register PGR 99-087. Nucleotide sequence polymorphisms in the **cystathionine gamma-synthase** gene of Arabidopsis (accession nos. AF039206 and AB010888)

AU Kim, J.; Chiba, Y.; Yamamoto, A.; Naito, S.; **Leustek, T.**

CS Biotechnology Center for Agriculture and the Environment, Rutgers University, New Brunswick, New Jersey 08901, USA.

SO Plant Physiology, (1999) Vol. 120, No. 2, pp. 635.

ISSN: 0032-0889

DT Journal

LA English

L10 ANSWER 9 OF 12 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN

AN 2003:155831 BIOSIS

DN PREV200300155831

TI Repression of **cystathionine gamma-synthase** and S-adenosyl-L-methionine synthetase produces similar developmental abnormalities in Arabidopsis thaliana.

AU Kim, Jungsup (1); **Leustek, Thomas** (1); Boerjan, Wout

CS (1) Rutgers University, New Brunswick, NJ, USA: kimjs@rci.rutgers.edu USA

SO Plant Biology (Rockville), (1999) Vol. 1999, pp. 138. print.

Meeting Info.: Annual Meeting of the American Society of Plant Physiologists Baltimore, Maryland, USA July 24-28, 1999 American Society of Plant Physiologists (ASPP)

DT Conference

LA English

L10 ANSWER 10 OF 12 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN

AN 1998:339137 BIOSIS

DN PREV199800339137

TI Analysis of mtol mutants that overaccumulate soluble methionine in Arabidopsis thaliana.

AU Chiba, Yukako (1); Kijima, Fumiko (1); Ishikawa, Mari (1); **Leustek, Thomas**; Wallsgrove, Roger; Nambara, Eiji (1); Naito, Satoshi (1)

CS (1) Dep. Appl. Biosci., Fac. Agric., Hokkaido Univ., Sapporo Japan
 SO Plant and Cell Physiology, (1998) Vol. 39, No. SUPPL., pp. S92.
 Meeting Info.: 1998 Annual Meeting of the Japanese Society of Plant
 Pathologists Tokyo, Japan May 3-5, 1998 Japanese Society of Plant
 Pathologists
 . ISSN: 0032-0781.
 DT Conference
 LA English

L10 ANSWER 11 OF 12 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1997:380499 BIOSIS
 DN PREV199799679702
 TI Cloning and expression analysis of **cystathionine gamma**
-synthase from Arabidopsis thaliana.
 AU Kim, Jung-Sup (1); **Leustek, Thomas**
 CS (1) Cent. Agric. Mol. Biol., Rutgers Univ., New Brunswick, NJ 08903-0231
 USA
 SO Plant Physiology (Rockville), (1997) Vol. 114, No. 3 SUPPL., pp. 43.
 Meeting Info.: PLANT BIOLOGY '97: 1997 Annual Meetings of the American
 Society of Plant Physiologists and the Canadian Society of Plant
 Physiologists, Japanese Society of Plant Physiologists and the Australian
 Society of Plant Physiologists Vancouver, British Columbia, Canada August
 2-6, 1997
 ISSN: 0032-0889.
 DT Conference; Abstract
 LA English

=> d his

(FILE 'HOME' ENTERED AT 14:24:56 ON 23 SEP 2003)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO, USPATFULL'
 ENTERED AT 14:25:01 ON 23 SEP 2003

L1 619 S (TUMER, N? OR TUMER N?)/AU
 L2 270 S (LEUSTEK, T? OR LEUSTEK T?)/AU
 L3 3 S L1 AND L2
 L4 2 DUPLICATE REMOVE L3 (1 DUPLICATE REMOVED)
 L5 886 S L1 OR L2
 L6 883 S L5 NOT L3
 L7 522 S CYSTATHIONINE(W) GAMMA(W) SYNTHASE
 L8 2 S L4 AND L7
 L9 34 S L6 AND L7
 L10 12 DUPLICATE REMOVE L9 (22 DUPLICATES REMOVED)

=> s l7 and (DNA OR cDNA OR gene)

L11 280 L7 AND (DNA OR CDNA OR GENE)

=> s l11 and (selection OR selectable(w)marker) AND ethionine

L12 9 L11 AND (SELECTION OR SELECTABLE(W) MARKER) AND ETHIONINE

=> duplicate remove l12

DUPLICATE PREFERENCE IS 'CAPLUS, USPATFULL'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L12

L13 9 DUPLICATE REMOVE L12 (0 DUPLICATES REMOVED)

=> d l13 1-9 ti

L13 ANSWER 1 OF 9 USPATFULL on STN

TI Materials and methods for controlling pests

L13 ANSWER 2 OF 9 USPATFULL on STN

TI Plant methionine synthase **gene** and methods for increasing the
 methionine content of the seeds of plants

L13 ANSWER 3 OF 9 USPATFULL on STN
 TI Corynebacterium glutamicum genes encoding metabolic pathway proteins

L13 ANSWER 4 OF 9 USPATFULL on STN
 TI Aspartate kinase

L13 ANSWER 5 OF 9 USPATFULL on STN
 TI Nucleotide sequences which code for the metE gene

L13 ANSWER 6 OF 9 USPATFULL on STN
 TI Nucleotide sequences which code for the metF gene

L13 ANSWER 7 OF 9 USPATFULL on STN
 TI Nucleotide sequence which code for the meth gene

L13 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN
 TI Transgenic plants having improved flavor properties by increasing free methionone levels

L13 ANSWER 9 OF 9 USPATFULL on STN
 TI Nucleic acid fragments, chimeric genes and methods for increasing the methionine content of the seeds of plants

=> d his

(FILE 'HOME' ENTERED AT 14:24:56 ON 23 SEP 2003)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO, USPATFULL'
 ENTERED AT 14:25:01 ON 23 SEP 2003

L1 619 S (TUMER, N? OR TUMER N?)/AU
 L2 270 S (LEUSTEK, T? OR LEUSTEK T?)/AU
 L3 3 S L1 AND L2
 L4 2 DUPLICATE REMOVE L3 (1 DUPLICATE REMOVED)
 L5 886 S L1 OR L2
 L6 883 S L5 NOT L3
 L7 522 S CYSTATHIONINE(W) GAMMA(W) SYNTHASE
 L8 2 S L4 AND L7
 L9 34 S L6 AND L7
 L10 12 DUPLICATE REMOVE L9 (22 DUPLICATES REMOVED)
 L11 280 S L7 AND (DNA OR CDNA OR GENE)
 L12 9 S L11 AND (SELECTION OR SELECTABLE(W)MARKER) AND ETHIONINE
 L13 9 DUPLICATE REMOVE L12 (0 DUPLICATES REMOVED)

=> s l13 not l9

L14 9 L13 NOT L9

=> s l13 not l3

L15 8 L13 NOT L3

=> d l15 1-8 bib

L15 ANSWER 1 OF 8 USPATFULL on STN
 AN 2003:202383 USPATFULL
 TI Materials and methods for controlling pests
 IN Stevens, Bruce R., Gainesville, FL, UNITED STATES
 Cuda, James P., Gainesville, FL, UNITED STATES
 Long, Lewis S., Gainesville, FL, UNITED STATES
 PI US 2003140371 A1 20030724
 AI US 2002-298974 A1 20021118 (10)
 RLI Continuation-in-part of Ser. No. US 2001-991458, filed on 16 Nov 2001,
 PENDING
 DT Utility
 FS APPLICATION

LREP SALIWANCHIK LLOYD & SALIWANCHIK, A PROFESSIONAL ASSOCIATION, 2421 N.W.
41ST STREET, SUITE A-1, GAINESVILLE, FL, 326066669
CLMN Number of Claims: 45
ECL Exemplary Claim: 1
DRWN 6 Drawing Page(s)
LN.CNT 2700
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L15 ANSWER 2 OF 8 USPATFULL on STN
AN 2003:128671 USPATFULL
TI Plant methionine synthase **gene** and methods for increasing the
methionine content of the seeds of plants
IN Falco, Saverio Carl, Arden, DE, UNITED STATES
Famodu, Omolayo O., Newark, DE, UNITED STATES
Rafalski, Jan Antoni, Wilmington, DE, UNITED STATES
Ramaker, Michael Lee, Greenville, DE, UNITED STATES
Tarczynski, Mitchell Christian, West Des Moines, IA, UNITED STATES
Thorpe, Catherine, Cambridgeshire, UNITED KINGDOM
PI US 2003088886 A1 20030508
AI US 2002-989339 A1 20020128 (9)
RLI Continuation of Ser. No. US 1999-377431, filed on 19 Aug 1999, ABANDONED
Continuation-in-part of Ser. No. US 1996-703829, filed on 27 Aug 1996,
ABANDONED
PRAI US 1995-2973P 19950830 (60)
DT Utility
FS APPLICATION
LREP E I DU PONT DE NEMOURS AND COMPANY, LEGAL PATENT RECORDS CENTER, BARLEY
MILL PLAZA 25/1128, 4417 LANCASTER PIKE, WILMINGTON, DE, 19805
CLMN Number of Claims: 11
ECL Exemplary Claim: 1
DRWN 9 Drawing Page(s)
LN.CNT 3880
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L15 ANSWER 3 OF 8 USPATFULL on STN
AN 2003:71519 USPATFULL
TI Corynebacterium glutamicum genes encoding metabolic pathway proteins
IN Pompejus, Markus, Freinsheim, GERMANY, FEDERAL REPUBLIC OF
Kroger, Burkhard, Limburgerhof, GERMANY, FEDERAL REPUBLIC OF
Schroder, Hartwig, Nussloch, GERMANY, FEDERAL REPUBLIC OF
Zelder, Oskar, Speyer, GERMANY, FEDERAL REPUBLIC OF
Haberhauer, Gregor, Limburgerhof, GERMANY, FEDERAL REPUBLIC OF
Kim, Jun-Won, Seoul, KOREA, REPUBLIC OF
Lee, Heung-Shick, Seoul, KOREA, REPUBLIC OF
Hwang, Byung-Joon, Seoul, KOREA, REPUBLIC OF
PI US 2003049804 A1 20030313
AI US 2000-746660 A1 20001222 (9)
RLI Continuation-in-part of Ser. No. US 2000-606740, filed on 23 Jun 2000,
PENDING Continuation-in-part of Ser. No. US 2000-603124, filed on 23 Jun
2000, PENDING
PRAI DE 1999-19931420 19990708
US 1999-141031P 19990625 (60)
US 1999-142101P 19990702 (60)
US 1999-148613P 19990812 (60)
US 2000-187970P 20000309 (60)
DT Utility
FS APPLICATION
LREP LAHIVE & COCKFIELD, 28 STATE STREET, BOSTON, MA, 02109
CLMN Number of Claims: 47
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 15004
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L15 ANSWER 4 OF 8 USPATFULL on STN

AN 2002:323315 USPATFULL
 TI Aspartate kinase
 IN Falco, Saverio Carl, Arden, GERMANY, FEDERAL REPUBLIC OF
 Famodu, Omolayo O., Newark, DE, UNITED STATES
 Thorpe, Catherine J., Hertfordshire, UNITED KINGDOM
 PI US 2002183486 A1 20021205
 AI US 2001-890813 A1 20010802 (9)
 WO 2000-US34396 20001219
 DT Utility
 FS APPLICATION
 LREP Thomas M Rizzo, E I du Pont de Nemours & Company, Legal Patents,
 Wilmington, DE, 19898
 CLMN Number of Claims: 27
 ECL Exemplary Claim: 1
 DRWN 2 Drawing Page(s)
 LN.CNT 2618
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L15 ANSWER 5 OF 8 USPATFULL on STN

AN 2002:206184 USPATFULL
 TI Nucleotide sequences which code for the metE **gene**
 IN Bathe, Brigitte, Salzkotten, GERMANY, FEDERAL REPUBLIC OF
 Moeckel, Bettina, Duesseldorf, GERMANY, FEDERAL REPUBLIC OF
 Pfefferle, Walter, Halle, GERMANY, FEDERAL REPUBLIC OF
 Huthmacher, Klaus, Gelnhausen, GERMANY, FEDERAL REPUBLIC OF
 Rueckert, Christian, Guetersloh, GERMANY, FEDERAL REPUBLIC OF
 Kalinowski, Joern, Bielefeld, GERMANY, FEDERAL REPUBLIC OF
 Puehler, Alfred, Bielefeld, GERMANY, FEDERAL REPUBLIC OF
 Binder, Michael, Steinhagen, GERMANY, FEDERAL REPUBLIC OF
 Greissinger, Dieter, Niddatal, GERMANY, FEDERAL REPUBLIC OF
 Thierbach, Georg, Bielefeld, GERMANY, FEDERAL REPUBLIC OF
 PA DEGUSSA AG, Duesseldorf, GERMANY, FEDERAL REPUBLIC OF, DE-40474
 (non-U.S. corporation)
 PI US 2002110877 A1 20020815
 AI US 2001-919835 A1 20010802 (9)
 PRAI DE 2000-10038023 20000802
 DE 2001-109689 20010228
 US 2001-294250P 20010531 (60)
 DT Utility
 FS APPLICATION
 LREP OBLON SPIVAK MCCLELLAND MAIER & NEUSTADT PC, FOURTH FLOOR, 1755
 JEFFERSON DAVIS HIGHWAY, ARLINGTON, VA, 22202
 CLMN Number of Claims: 37
 ECL Exemplary Claim: 1
 DRWN 2 Drawing Page(s)
 LN.CNT 1522
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L15 ANSWER 6 OF 8 USPATFULL on STN

AN 2002:92779 USPATFULL
 TI Nucleotide sequences which code for the metF **gene**
 IN Bathe, Brigitte, Salzkotten, GERMANY, FEDERAL REPUBLIC OF
 Moeckel, Bettina, Duesseldorf, GERMANY, FEDERAL REPUBLIC OF
 Pfefferle, Walter, Halle, GERMANY, FEDERAL REPUBLIC OF
 Huthmacher, Klaus, Gelnhausen, GERMANY, FEDERAL REPUBLIC OF
 Binder, Michael, Steinhagen, GERMANY, FEDERAL REPUBLIC OF
 Greissinger, Dieter, Niddatal, GERMANY, FEDERAL REPUBLIC OF
 Thierbach, Georg, Bielefeld, GERMANY, FEDERAL REPUBLIC OF
 PA DEGUSSA AG, Duesseldorf, GERMANY, FEDERAL REPUBLIC OF (non-U.S.
 corporation)
 PI US 2002049305 A1 20020425
 AI US 2001-919935 A1 20010802 (9)
 PRAI DE 2000-10053942 20000802
 DE 2001-109686 20010228
 US 2001-294279P 20010531 (60)

DT Utility
FS APPLICATION
LREP OBLON SPIVAK MCCLELLAND MAIER & NEUSTADT PC, FOURTH FLOOR, 1755
JEFFERSON DAVIS HIGHWAY, ARLINGTON, VA, 22202
CLMN Number of Claims: 33
ECL Exemplary Claim: 1
DRWN 1 Drawing Page(s)
LN.CNT 1079
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L15 ANSWER 7 OF 8 USPATFULL on STN
AN 2002:92275 USPATFULL
TI Nucleotide sequence which code for the meth **gene**
IN Bathe, Brigitte, Salzkotten, GERMANY, FEDERAL REPUBLIC OF
Moeckel, Bettina, Duesseldorf, GERMANY, FEDERAL REPUBLIC OF
Pfefferle, Walter, Halle, GERMANY, FEDERAL REPUBLIC OF
Huthmacher, Klaus, Gelnhausen, GERMANY, FEDERAL REPUBLIC OF
Rueckert, Christian, Guetersloh, GERMANY, FEDERAL REPUBLIC OF
Kalinowski, Joern, Bielefeld, GERMANY, FEDERAL REPUBLIC OF
Puehler, Alfred, Bielefeld, GERMANY, FEDERAL REPUBLIC OF
Binder, Michael, Steinhagen, GERMANY, FEDERAL REPUBLIC OF
Greissinger, Dieter, Niddatal, GERMANY, FEDERAL REPUBLIC OF
Thierbach, Georg, Bielefeld, GERMANY, FEDERAL REPUBLIC OF
PA DEGUSSA AG, DUESSELDORF, GERMANY, FEDERAL REPUBLIC OF, DE-40474
(non-U.S. corporation)
PI US 2002048793 A1 20020425
AI US 2001-919891 A1 20010802 (9)
PRAI DE 2000-10038050 20000802
DE 2001-109687 20010228
US 2001-294251P 20010531 (60)

DT Utility
FS APPLICATION
LREP OBLON SPIVAK MCCLELLAND MAIER & NEUSTADT PC, FOURTH FLOOR, 1755
JEFFERSON DAVIS HIGHWAY, ARLINGTON, VA, 22202
CLMN Number of Claims: 34
ECL Exemplary Claim: 1
DRWN 1 Drawing Page(s)
LN.CNT 1372
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L15 ANSWER 8 OF 8 USPATFULL on STN
AN 1999:67433 USPATFULL
TI Nucleic acid fragments, chimeric genes and methods for increasing the
methionine content of the seeds of plants
IN Falco, Saverio Carl, Arden, DE, United States
Guida, Jr., Anthony Dominick, Newark, DE, United States
Locke, Mary Elizabeth Hartnett, Glassboro, NJ, United States
PA E. I. du Pont de Nemours and Company, Wilmington, DE, United States
(U.S. corporation)
PI US 5912414 19990615
WO 9531554 19951123
AI US 1996-737524 19961108 (8)
WO 1995-US5545 19950512
19961108 PCT 371 date
19961108 PCT 102(e) date
RLI Continuation-in-part of Ser. No. US 1994-242408, filed on 13 May 1994,
now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Robinson, Douglas W.; Assistant Examiner: Nelson, Amy
J.
CLMN Number of Claims: 37
ECL Exemplary Claim: 1
DRWN 2 Drawing Figure(s); 2 Drawing Page(s)
LN.CNT 2704

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 14:24:56 ON 23 SEP 2003)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO, USPATFULL'
ENTERED AT 14:25:01 ON 23 SEP 2003

L1 619 S (TUMER, N? OR TUMER N?)/AU
L2 270 S (LEUSTEK, T? OR LEUSTEK T?)/AU
L3 3 S L1 AND L2
L4 2 DUPLICATE REMOVE L3 (1 DUPLICATE REMOVED)
L5 886 S L1 OR L2
L6 883 S L5 NOT L3
L7 522 S CYSTATHIONINE(W) GAMMA(W) SYNTHASE
L8 2 S L4 AND L7
L9 34 S L6 AND L7
L10 12 DUPLICATE REMOVE L9 (22 DUPLICATES REMOVED)
L11 280 S L7 AND (DNA OR CDNA OR GENE)
L12 9 S L11 AND (SELECTION OR SELECTABLE(W) MARKER) AND ETHIONINE
L13 9 DUPLICATE REMOVE L12 (0 DUPLICATES REMOVED)
L14 9 S L13 NOT L9
L15 8 S L13 NOT L3

=> s ethionine AND plant

L16 362 ETHIONINE AND PLANT

=> s l16 AND cell

L17 138 L16 AND CELL

=> s l17 AND toxi?

L18 48 L17 AND TOXI?

=> s l18 AND cell(w)culture

L19 24 L18 AND CELL(W) CULTURE

=> s l19 not l13

L20 23 L19 NOT L13

=> s l20 not l9

L21 23 L20 NOT L9

=> s l21 not l3

L22 23 L21 NOT L3

=> duplicate remove l22

DUPLICATE PREFERENCE IS 'CABA, CAPLUS, USPATFULL'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L22

L23 23 DUPLICATE REMOVE L22 (0 DUPLICATES REMOVED)

=> d l23 1-10 ti

L23 ANSWER 1 OF 23 USPATFULL on STN

TI Comparative phenotype analysis of cells, including testing of
biologically active compounds

L23 ANSWER 2 OF 23 USPATFULL on STN

TI Comparative phenotype analysis

L23 ANSWER 3 OF 23 USPATFULL on STN

TI Mitomycin biosynthetic gene cluster

L23 ANSWER 4 OF 23 USPATFULL on STN

TI Methionine restriction for cancer therapy

L23 ANSWER 5 OF 23 USPATFULL on STN
 TI Canine **toxicity** genes

L23 ANSWER 6 OF 23 USPATFULL on STN
 TI S-adenosyl methionine regulation of metabolic pathways and its use in diagnosis and therapy

L23 ANSWER 7 OF 23 USPATFULL on STN
 TI Targeted methods of drug screening using co-culture methods

L23 ANSWER 8 OF 23 USPATFULL on STN
 TI Comparative phenotype analysis

L23 ANSWER 9 OF 23 USPATFULL on STN
 TI MANIPULATION OF **PLANT CELL** AND TISSUE CULTURES

L23 ANSWER 10 OF 23 USPATFULL on STN
 TI Adipocyte-specific protein homologs

=> d 123 9 bib

L23 ANSWER 9 OF 23 USPATFULL on STN
 AN 2002:157132 USPATFULL
 TI MANIPULATION OF **PLANT CELL** AND TISSUE CULTURES
 IN STAFFORD, ANGELA, CASTLETON, UNITED KINGDOM
 MORVILLE, MALCOLM, SHREWSBURY, MA, UNITED STATES
 PI US 2002081731 A1 20020627
 AI US 1997-887532 A1 19970703 (8)
 RLI Continuation of Ser. No. US 1995-444846, filed on 19 May 1995, ABANDONED
 DT Utility
 FS APPLICATION
 LREP PAUL T CLARK, CLARK AND ELBING, 176 FEDERAL STREET, BOSTON, MA, 02110
 CLMN Number of Claims: 32
 ECL Exemplary Claim: 1
 DRWN 16 Drawing Page(s)
 LN.CNT 1077
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 123 11-20 ti

L23 ANSWER 11 OF 23 USPATFULL on STN
 TI Comparative phenotype analysis

L23 ANSWER 12 OF 23 USPATFULL on STN
 TI Comparative phenotype analysis of two or more microorganisms using a plurality of substrates within a microwell device

L23 ANSWER 13 OF 23 USPATFULL on STN
 TI **Plant** peptide transport gene

L23 ANSWER 14 OF 23 USPATFULL on STN
 TI Comparative phenotype analysis of two or more microorganisms using a plurality of substrates within a multiwell testing device

L23 ANSWER 15 OF 23 USPATFULL on STN
 TI S-adenosyl methionine regulation of metabolic pathways and its use in diagnosis and therapy

L23 ANSWER 16 OF 23 USPATFULL on STN
 TI High sulfur seed protein gene and method for increasing the sulfur amino acid content of plants

L23 ANSWER 17 OF 23 USPATFULL on STN
 TI **Plant** peptide transport gene

L23 ANSWER 18 OF 23 USPATFULL on STN
 TI Synthetic storage proteins with defined structure containing programmable levels of essential amino acids for improvement of the nutritional value of plants

L23 ANSWER 19 OF 23 USPATFULL on STN
 TI Whole **plant** regeneration via organogenesis and somaclonal variation in glycine species

L23 ANSWER 20 OF 23 USPATFULL on STN
 TI Methods for mutant selection in cereal crops

=> d l23 21-23 ti

L23 ANSWER 21 OF 23 CAPLUS COPYRIGHT 2003 ACS on STN
 TI Application of the disk method to cultured **plant** cells. II. Exhibition zones

L23 ANSWER 22 OF 23 CABA COPYRIGHT 2003 CABI on STN
 TI Development of selection strategies for the isolation of methionine accumulating **cell** lines in Solanum tuberosum L.

L23 ANSWER 23 OF 23 CABA COPYRIGHT 2003 CABI on STN
 TI Development of somatic **cell** genetics systems in Vigna radiata and Phaseolus vulgaris.

=> d l23 22-23 bib

L23 ANSWER 22 OF 23 CABA COPYRIGHT 2003 CABI on STN
 AN 83:85847 CABA
 DN 821616592
 TI Development of selection strategies for the isolation of methionine accumulating **cell** lines in Solanum tuberosum L
 AU Hunsperger, J. P.
 CS Mich. State Univ., East Lansing, USA.
 SO Dissertation Abstracts International, B, (1982) Vol. 43, No. 2, pp. 339B.
 Order No: DA8216555.
 DT Abstract
 LA English

L23 ANSWER 23 OF 23 CABA COPYRIGHT 2003 CABI on STN
 AN 83:85843 CABA
 DN 821616588
 TI Development of somatic **cell** genetics systems in Vigna radiata and Phaseolus vulgaris
 AU Jacobs, T. W.
 CS Mich. State Univ., East Lansing, USA.
 SO Dissertation Abstracts International, B, (1982) Vol. 43, No. 2, pp. 307B.
 Order No: DA8216557.
 DT Abstract
 LA English

=> d his

(FILE 'HOME' ENTERED AT 14:24:56 ON 23 SEP 2003)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO, USPATFULL'
 ENTERED AT 14:25:01 ON 23 SEP 2003

L1 619 S (TUMER, N? OR TUMER N?)/AU
 L2 270 S (LEUSTEK, T? OR LEUSTEK T?)/AU
 L3 3 S L1 AND L2
 L4 2 DUPLICATE REMOVE L3 (1 DUPLICATE REMOVED)
 L5 886 S L1 OR L2
 L6 883 S L5 NOT L3
 L7 522 S CYSTATHIONINE (W) GAMMA (W) SYNTHASE
 L8 2 S L4 AND L7
 L9 34 S L6 AND L7
 L10 12 DUPLICATE REMOVE L9 (22 DUPLICATES REMOVED)
 L11 280 S L7 AND (DNA OR CDNA OR GENE)
 L12 9 S L11 AND (SELECTION OR SELECTABLE (W) MARKER) AND ETHIONINE
 L13 9 DUPLICATE REMOVE L12 (0 DUPLICATES REMOVED)
 L14 9 S L13 NOT L9
 L15 8 S L13 NOT L3
 L16 362 S ETHIONINE AND PLANT
 L17 138 S L16 AND CELL
 L18 48 S L17 AND TOXI?
 L19 24 S L18 AND CELL (W) CULTURE
 L20 23 S L19 NOT L13
 L21 23 S L20 NOT L9
 L22 23 S L21 NOT L3
 L23 23 DUPLICATE REMOVE L22 (0 DUPLICATES REMOVED)

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

SINCE FILE

ENTRY

TOTAL

SESSION

FULL ESTIMATED COST

72.42

72.63

STN INTERNATIONAL LOGOFF AT 14:36:58 ON 23 SEP 2003